

# WEST Search History

DATE: Wednesday, October 01, 2003

| <u>Set Name</u>                                         | <u>Query</u>                                       | <u>Hit Count</u> | <u>Set Name</u> |
|---------------------------------------------------------|----------------------------------------------------|------------------|-----------------|
| side by side                                            |                                                    | result set       |                 |
| <i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE;</i> |                                                    |                  |                 |
| PLUR=YES; OP=AND                                        |                                                    |                  |                 |
| L5                                                      | L3 and (hydroxyl\$2ammonium)                       | 0                | L5              |
| L4                                                      | L3 and (hydroxyl\$2amine)                          | 26               | L4              |
| L3                                                      | L2 and polyethylene\$2glycol                       | 76               | L3              |
| L2                                                      | l1 and ((hydrochloric adj acid) or HCl)            | 5917             | L2              |
| L1                                                      | (copper adj sul\$2ate) or "CuSO.sub.4\$25H.sub.2O" | 17063            | L1              |

END OF SEARCH HISTORY

=> d all 8 13

L3 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 1990:434228 CAPLUS  
DN 113:34228  
TI Determination of formaldehyde in electroless copper plating solution by potentiometric titration  
AU Mizumoto, Shozo; Nawafune, Hidemi; Kawasaki, Motoo; Kinoshita, Akemi; Araki, Ken  
CS Fac. Sci., Konan Univ., Kobe, 658, Japan  
SO Hyomen Gijutsu (1990), 41(4), 412-16  
CODEN: HYGIEX; ISSN: 0915-1869  
DT Journal  
LA Japanese  
CC 80-6 (Organic Analytical Chemistry)  
Section cross-reference(s): 72  
AB HCHO was detd. in electroless Cu plating soln. with a detection limit of 10 ppm by potentiometric titrn. with a std. NH<sub>2</sub>OH.HCl soln. using Ag as an indicator electrode. The reaction of HCHO with NH<sub>2</sub>OH.HCl was quant. with a sharp potential change at the equiv. point. Potentiometric behavior of the Ag indicator electrode during the titrn. was explained by a mixed-potential theory, in which the rest potential is controlled by the anodic oxidn. process of HCHO and NH<sub>2</sub>OH.HCl before and after the equiv. pont, resp., and the cathodic redn. process of dissolved O.  
ST formaldehyde detn copper plating soln; potentiometry titrn formaldehyde detn  
IT 50-00-0, Formaldehyde, analysis  
RL: ANT (Analyte); ANST (Analytical study)  
(detn. of, in copper plating soln. by potentiometric titrn.)  
IT 5470-11-1, Hydroxylammonium chloride  
RL: ANST (Analytical study)  
(in detn. of formaldehyde, by potentiometric titrn.)  
IT 7440-22-4, Silver, uses and miscellaneous  
RL: ANST (Analytical study); USES (Uses)  
(indicator electrode, in potentiometric titrn. of formaldehyde)  
IT 7758-98-7, Copper sulfate, uses and miscellaneous  
RL: ANST (Analytical study); USES (Uses)  
(plating soln. for, detn. of formaldehyde in, by potentiometric titrn.)

=>

=> d 19

L7 ANSWER 19 OF 19 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 10039-54-0 REGISTRY  
CN Hydroxylamine, sulfate (2:1) (salt) (8CI, 9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Hydroxylamine, sulfate (7CI)  
OTHER NAMES:  
CN Bis(hydroxylamine) sulfate  
CN Di(hydroxylamine) sulfate  
CN Envision MLB 2030  
CN Hydroxyl ammonium sulfate ((HONH<sub>3</sub>)<sub>2</sub>SO<sub>4</sub>)  
CN Hydroxylamine neutral sulfate  
CN Hydroxylammonium sulfate  
CN Lanasane LAB  
CN Oxammonium sulfate  
MF H<sub>3</sub> N O . 1/2 H<sub>2</sub> O<sub>4</sub> S  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CAOLD,  
CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, EMBASE,  
GMELIN\*, IFICDB, IFIPAT, IFIUDB, MRCK\*, MSDS-OHS, NIOSHTIC, PDLCOM\*,  
PIRA, PROMT, RTECS\*, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

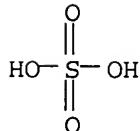
CM 1

CRN 7803-49-8  
CMF H<sub>3</sub> N O

H<sub>2</sub>N—OH

CM 2

CRN 7664-93-9  
CMF H<sub>2</sub> O<sub>4</sub> S



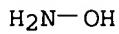
1009 REFERENCES IN FILE CA (1907 TO DATE)  
20 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1011 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>

=> s hydroxylamine chloride/cn  
L3 1 HYDROXYLAMINE CHLORIDE/CN

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 5470-11-1 REGISTRY  
CN Hydroxylamine, hydrochloride (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Hydroxyamine hydrochloride  
CN Hydroxyammonium chloride  
CN Hydroxylamine chloride  
CN Hydroxylamine chlorohydrate  
CN Hydroxylammonium chloride  
CN Oxammonium hydrochloride  
MF Cl H . H3 N O  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO,  
CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN,  
CSCHEM, DETHERM\*, DIPPR\*, EMBASE, GMELIN\*, IFICDB, IFIPAT, IFIUDB, IPA,  
MRCK\*, MSDS-OHS, NIOSHTIC, PDLCOM\*, PROMT, RTECS\*, TOXCENTER, ULIDAT,  
USPAT2, USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)  
CRN (7803-49-8)



● HCl

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5072 REFERENCES IN FILE CA (1907 TO DATE)  
117 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
5089 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 15:46:35 ON 01 OCT 2003)

FILE 'CPLUS' ENTERED AT 15:47:06 ON 01 OCT 2003

L1 5775 S 10039-54-0/RN OR 5470-11-1/RN  
L2 49 S L1 AND ((COPPER (A) (SULFATE OR SULPHATE)) OR CUSO?)  
L3 13 S L2 AND ((HYDROCHLORIC (A) ACID) OR HCL)  
L4 1 S L3 AND (POLYETHYLENE?)

=>